

## SEQUENCE LISTING

&lt;110&gt; Sims, John

&lt;120&gt; FIL-1 THETA DNAs AND POLYPEPTIDES

&lt;130&gt; 2976-B

&lt;140&gt; --to be assigned--

&lt;141&gt; 2001-01-25

&lt;150&gt; US 60/195,962

&lt;151&gt; 2000-04-11

&lt;150&gt; US 60/178,389

&lt;151&gt; 2000-01-27

&lt;160&gt; 21

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 339

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1

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ctggaggatg tgaacattga ggaactgtac aaaggtggtg aagaggccac acgcttcacc 180
ttcttccaga gcagctcagg ctccgccttc aggttgagg ctgctgcctg gcctggctgg 240
ttctgtgtg gcccggcaga gcccagcag ccagtacagc tcaccaagga gagtgagccc 300
tcagcccgtg ccaagtttta ctttgaacag agctggtag 339

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&lt;210&gt; 2

&lt;211&gt; 112

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

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Lys Ile Cys Ile Leu Pro Asn Arg Gly Leu Ala Arg Thr Lys Val Pro
1           5           10           15
Ile Phe Leu Gly Ile Gln Gly Gly Ser Arg Cys Leu Ala Cys Val Glu
20           25           30
Thr Glu Glu Gly Pro Ser Leu Gln Leu Glu Asp Val Asn Ile Glu Glu
35           40           45
Leu Tyr Lys Gly Gly Glu Glu Ala Thr Arg Phe Thr Phe Phe Gln Ser
50           55           60
Ser Ser Gly Ser Ala Phe Arg Leu Glu Ala Ala Ala Trp Pro Gly Trp
65           70           75           80

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Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys  
85 90 95

Glu Ser Glu Pro Ser Ala Arg Thr Lys Phe Tyr Phe Glu Gln Ser Trp  
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<212> DNA  
<213> Homo sapien

<220>  
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<222> (1)..(456)

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cag aag gct cta tac aca aga gat ggc cag ctg ctg gtg gga gat cct 96  
Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro  
20 25 30  
gtt gca gac aac tgc tgt gca gag aag atc tgc aca ctt cct aac aga 144  
Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg  
35 40 45  
ggc ttg gac cgc acc aag gtc ccc att ttc ctg ggg atc cag gga ggg 192  
Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly  
50 55 60  
agc cgc tgc ctg gca tgt gtg gag aca gaa gag ggg cct tcc cta cag 240  
Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln  
65 70 75 80  
ctg gag gat gtg aac att gag gaa ctg tac aaa ggt ggt gaa gag gcc 288  
Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala  
85 90 95  
aca cgc ttc acc ttc ttc cag agc agc tca ggc tcc gcc ttc agg ctt 336  
Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu  
100 105 110  
gag gcc gct gcc tgg cct ggc tgg ttc ctg tgt ggc ccg gca gag ccc 384  
Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro  
115 120 125  
cag cag cca gta cag ctc act aag gag agt gag ccc tca gcc cgt acc 432  
Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr  
130 135 140  
aag ttt tac ttt gaa cag agc tgg tag 459  
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145 150

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<212> PRT

<213> Homo sapien

<400> 4

Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp  
1 5 10 15

Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro  
20 25 30

Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg  
35 40 45

Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly  
50 55 60

Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln  
65 70 75 80

Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala  
85 90 95

Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu  
100 105 110

Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro  
115 120 125

Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr  
130 135 140

Lys Phe Tyr Phe Glu Gln Ser Trp  
145 150

<210> 5

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<212> DNA

<213> Artificial

<220>

<223> DNA primer

<400> 5

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<210> 13

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<220>

<223> DNA primer

<400> 13

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22

<210> 14

<211> 538

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (29)..(487)

<400> 14

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52

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1

5

tac tac ata atc aag gat gca cat caa aag gct ttg tac aca cgg aat

100

Tyr Tyr Ile Ile Lys Asp Ala His Gln Lys Ala Leu Tyr Thr Arg Asn

10

15

20

ggc cag ctc ctg ctg gga gac cct gat tca gac aat tat agt cca gag

148

Gly Gln Leu Leu Leu Gly Asp Pro Asp Ser Asp Asn Tyr Ser Pro Glu

25

30

35

40

aag gtc tgt atc ctt cct aac cga ggc cta gac cgc tcc aag gtc ccc

196

Lys Val Cys Ile Leu Pro Asn Arg Gly Leu Asp Arg Ser Lys Val Pro

45

50

55

atc ttc ctg ggg atg cag gga gga agt tgc tgc ctg gcg tgt gta aag

244

Ile Phe Leu Gly Met Gln Gly Gly Ser Cys Cys Leu Ala Cys Val Lys

60

65

70

aca aga gag gga cct ctc ctg cag ctg gag gat gtg aac atc gag gac

292

Thr Arg Glu Gly Pro Leu Leu Gln Leu Glu Asp Val Asn Ile Glu Asp  
75 80 85

cta tac aag gga ggt gaa caa acc acc cgt ttc acc ttt ttc cag aga 340  
Leu Tyr Lys Gly Gly Glu Gln Thr Thr Arg Phe Thr Phe Phe Gln Arg  
90 95 100

agc ttg gga tct gcc ttc agg ctt gag gct gct gcc tgc cct ggc tgg 388  
Ser Leu Gly Ser Ala Phe Arg Leu Glu Ala Ala Ala Cys Pro Gly Trp  
105 110 115 120

ttt ctc tgt ggc cca gct gag ccc cag cag cca gtg cag ctc acc aaa 436  
Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys  
125 130 135

gag agt gaa ccc tcc acc cat act gaa ttc tac ttt gag atg agt cgg 484  
Glu Ser Glu Pro Ser Thr His Thr Glu Phe Tyr Phe Glu Met Ser Arg  
140 145 150

taa ggagacataa ggctggggcc tcgtctagtg cccccagtct gagatcttct t 538

<210> 15  
<211> 152  
<212> PRT  
<213> Mus musculus

<400> 15

Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Asp Ala His  
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Gln Lys Ala Leu Tyr Thr Arg Asn Gly Gln Leu Leu Leu Gly Asp Pro  
20 25 30

Asp Ser Asp Asn Tyr Ser Pro Glu Lys Val Cys Ile Leu Pro Asn Arg  
35 40 45

Gly Leu Asp Arg Ser Lys Val Pro Ile Phe Leu Gly Met Gln Gly Gly  
50 55 60

Ser Cys Cys Leu Ala Cys Val Lys Thr Arg Glu Gly Pro Leu Leu Gln  
65 70 75 80

Leu Glu Asp Val Asn Ile Glu Asp Leu Tyr Lys Gly Gly Glu Gln Thr  
85 90 95

Thr Arg Phe Thr Phe Phe Gln Arg Ser Leu Gly Ser Ala Phe Arg Leu  
100 105 110

Glu Ala Ala Ala Cys Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro  
115 120 125

Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Thr His Thr  
 130 135 140

Glu Phe Tyr Phe Glu Met Ser Arg  
 145 150

<210> 16  
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<400> 16  
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<210> 17  
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<220>  
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30

<210> 19  
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 <212> DNA  
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<220>  
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<400> 19  
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30

<210> 20  
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<400> 20

tccttattct gctttccaga gatgctgagc

30

<210> 21

<211> 33

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<213> Artificial

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<223> Polypeptide

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Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu  
20 25 30

Arg